

K. Davis



1600

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/487,558B
DATE: 02/20/2002
TIME: 16:17:18

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Output Set: N:\CRF3\02202002\I487558B.raw

ENTERED

4 <110> APPLICANT: Busby, Robert
5 Cali, Brian
6 Hecht, Peter
7 Holtzman, Doug
8 Madden, Kevin
9 Maxon, Mary
10 Milne, Todd
11 Norman, Thea
12 Royer, John
13 Salama, Sofie
14 Sherman, Amir
15 Silva, Jeff
16 Summers, Eric
18 <120> TITLE OF INVENTION: Methods for Improving Secondary Metabolite Production in
Fungi
20 <130> FILE REFERENCE: 109272.130
23 <140> CURRENT APPLICATION NUMBER: 09/487,558B
24 <141> CURRENT FILING DATE: 2000-01-19
26 <150> PRIOR APPLICATION NUMBER: US 60/487,558
27 <151> PRIOR FILING DATE: 1999-10-20
29 <160> NUMBER OF SEQ ID NOS: 446
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66 <212> TYPE: DNA
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97 <213> ORGANISM: Artificial Sequence
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100 <223> OTHER INFORMATION: Oligonucleotide sequence used for PUMP1 PCR.
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264 ctgatgctct tggatatgtc catcattgtc acggcgattc ctacattac cgcccagttt 180
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334	Ile	Val	Thr	Ala	Ile	Pro	His
335		50				55	
337	Asp	Val	Gly	Trp	Tyr	Gly	Ser
338	65					70	
340	Gln	Pro	Leu	Ala	Gly	Lys	Leu
341						85	
343	Phe	Leu	Ala	Phe	Leu	Gly	Leu
344						100	
346	Thr	Ala	Arg	Ser	Ser	Thr	Met
347						115	
349	Met	Gly	Gly	Ser	Gly	Leu	Thr
350						130	
352	Ala	Ala	Pro	Lys	Gln	Gln	Pro
353	145					150	
355	Leu	Ser	Gln	Ile	Ala	Ile	Val
356						165	
358	Thr	Gln	His	Ala	Ser	Trp	Arg
359						180	
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364	Leu	Pro	Ser	Thr	Ser	Asp	Ser
365						210	
367	Arg	Gly	Ala	Arg	Asp	Val	Leu
368	225					230	
370	Leu	Phe	Ala	Gly	Phe	Ala	Ile
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373	Gly	Ser	Asp	Tyr	Ala	Trp	Asn
374						260	
376	Ala	Ala	Gly	Val	Ser	Leu	Val
377						275	
379	Gly	Gly	Ala	Val	Ala	Met	Ile
380						290	
382	Val	Trp	Cys	Ser	Cys	Phe	Phe
383	305					310	
385	Ile	Phe	Ser	Tyr	Tyr	Leu	Pro
386						325	
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389						340	
391	Ile	Val	Met	Ala	Ile	Val	Thr
392						355	
394	Tyr	Val	Pro	Trp	Ala	Leu	Ala
395						370	
397	Gly	Leu	Val	Ser	Thr	Phe	Gln
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VERIFICATION SUMMARY

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